



EN ISO 9001: 2008  
TECHNICAL DATA SHEET

## **ST200**

### **FIBER REINFORCED, CEMENT BASED, HYDRO REPELLENT MORTAR FOR EXTERNAL THERMAL INSULATION SYSTEMS**

CLASSIFICATION: CSIV W1  
according to EN 998-1



#### Description - Usage

**ST-200** is a generic fiber reinforced cement-based plaster containing the appropriate polymeric elements required in order to achieve perfect adhesion and flexibility for all surfaces such as concrete, brick, cement-based boards etc. In addition, in combination with the adhesive thermal insulation boards **ST100**, is the perfect topcoat for the external insulation of buildings.

#### Advantages

Never cracks, providing high adhesion and elasticity, excellent flexibility, high water repellence and resistance to temperature fluctuations and high mechanical strength.

#### Instructions

The application surface must be free of dust, grease, oil, capable of carrying the additional load etc. The content of the bag should be mixed with 5.5- 6lit of clean water by the use of a suitable mixer at low speed in order to obtain a homogeneous mixture which is then allowed to settle for 5-7 minutes. Then the mixture is stirred again without additional water and is ready for use manually or by using a spray machine. Accordingly, after the mortar has settle it can be scrubbed with an appropriate scrubbing tool. Suggested thickness of the mortar is ideally 2mm.

Note that the application can take place between temperatures +5 and +35 ° C.

#### Consumption

Approximately 1.3kg / m<sup>2</sup>/ mm depending on the application surface.  
Granulometry: 0.00-0.07mm

#### Storage

Keep in a room with low humidity and store on pallets up to one year from the date of production and always in sealed package.

#### Packaging

Available in bags of 25kg

#### Notes

The product contains cement and is classified as irritant please consult the safety instructions written on the packaging before use.



<b>TECHNICAL DATA ST 200</b>	
Form	Cementitious mortar
Color	White
Specific weight	1,55 kg/lit
Granulometry	Up to 1,20mm
Mixture density	1,65 kg/lit
Application temperature	5 °C - 35°C
Pot Life	≈ 2 hours at 20°C
Temperature resistance	-30 °C - 95°C
Compressive strength after 28 days	3,7MPa
Flexural strength after 28 days	1,3MPa
Adhesion after 28days	0.80 N/ mm <sup>2</sup>
Water vapor diffusion coefficient (μ)	μ=50/20
Thermal conductivity coefficient (λ10, dry) for P=50%	0.47 w/mk
Capillary water absorption	≤0,4Kg m - 2h -0.5
Flammable material	Class A1

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**ST-200**

**DoP No.: SYSTEM TECHNICA ST-200/ 2000 - 03**  
Fiber reinforced, cement based, hydro repellent mortar for external thermal  
insulation systems

**Classification: CSIV W1**

<b>Reaction to fire:</b>	Class A1
<b>Compressive strength</b>	CSIV
<b>Capillary water absorption</b>	W1
<b>Adhesion</b>	0.7 N/mm <sup>2</sup> (FP:B)
<b>Water vapor permeability</b>	μ5/20
<b>Thermal conductivity λ<sub>10 dry(P=50%)</sub></b>	0.47 (W/mK)
<b>Durability</b>	evaluation based on provisions valid in the intended place of use of the mortar

The company guarantees the performance of the product as written in the technical data sheet - CE. These are the results of the company's long-standing experience and knowledge in the production and application of the product in practice (laboratory tests and projects autopsy). The company cannot guarantee the final result as it is impossible to monitor and oversee all possible product applications. Therefore, it is the user's sole responsibility to ensure that the product is suitable for the requirements of its project, to consult the instructions for use on the packaging and to use it in the right way and in the right conditions to have the ideal final result. The present edition of this technical datasheet automatically cancels any previous one concerning the same product. Karditsa April 2019.